

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2118	((381/123 or 381/74 or 381/77 or 381/11-12).ccls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2009/08/01 21:11
L2	24248	plug same jack	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2009/08/01 21:11
L3	91	L1 and L2 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/08/01 21:11
L4	1977	((700/94).ccls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2009/08/01 21:13
L5	22	L4 and L2 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/08/01 21:13
L6	702	((341/141).ccls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2009/08/01 21:14
L7	0	L6 and L2 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/08/01 21:14
L8	4	((381/123).ccls.) and impedance\$1 and ( (analog adj digital) or (A/D)) adj convert\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/08/01 21:15
S1	49	((("5455859") or ("5771441") or ("4295694") or ("4340854") or ("4395739") or ("4792986") or ("4901355") or ("5181000") or ("5188540") or ("5210528") or ("RE35051") or ("5555300") or ("5559869") or ("5608607") or ("5631712") or ("5634798") or ("5655143") or	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/11/01 11:25

		(("5676565") or ("5727966") or ("5761159") or ("5775939") or ("5794161") or ("5841628") or ("5852545") or ("5938457") or ("5970123") or ("6009181") or ("6019630") or ("6056698") or ("6065080") or ("6072753") or ("6122369") or ("6185627") or ("6210212") or ("6210212") or ("6232785") or ("6397087") or ("6422944") or ("6459175") or ("6459911") or ("6620094") or ("20010049566") or ("20030023329") or ("20030026439") or ("20030097037") or ("20030123677") or ("20040080440") or ("20040081099") or ("20040101148") or ("20050012850")).PN.				
S2	2	((("6594366") or ("20020032046"))).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/05/18 11:02
S3	6	((("6109797") or ("6149469") or ("6203344") or ("6748085") or ("5655025") or ("4682325"))).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/05/18 11:07
S4	3	((CHU-TING) near2 (SU)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 11:21
S5	1819	((381/123 or 381/74 or 381/77 or 381/11-12). ccls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/18 16:34
S6	1168	((700/94).ccls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/18 16:35
S7	631	((341/141).ccls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/18 16:35

S8	634	((327/355).ocls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/18 16:35
S9	1073	((439/668-669).ocls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/18 16:36
S10	21732	plug same jack	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/18 16:39
S11	90	S5 and S10 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/11/01 14:31
S12	22	S6 and S10 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/18 16:47
S13	0	S7 and S10 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/18 16:47
S14	0	S8 and S10 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/18 16:48
S15	228	S9 and S10 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/18 16:48
S16	82	S9 and S10 and audio and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/18 16:48
S17	49	((("5455859") or ("5771441") or ("4295694") or ("4340854") or ("4395739") or ("4792986") or ("4901355") or ("5181000") or ("5188540") or ("5210528") or ("RE35051") or ("5555300") or ("5559869") or ("5608607") or ("5631712") or ("5634798") or ("5655143") or ("5676565") or ("5727966") or ("5761159") or ("5775939") or ("5794161") or ("5841628") or ("5852545") or ("5938457") or	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/10/31 15:13

		( ("5970123") or ("6009181") or ("6019630") or ("6056698") or ("6065080") or ("6072753") or ("6122369") or ("6185627") or ("6210212") or ("6210212") or ("6232785") or ("6397087") or ("6422944") or ("6459175") or ("6459911") or ("6620094") or ("7224992") or ("20010049566") or ("20030023329") or ("20030026439") or ("20030097037") or ("20030123677") or ("20040080440") or ("20040081099") or ("20040101148")).PN.				
S18	1	("7,110,799").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/11/01 11:27
S19	12	( ("20020037746"   "20020068600"   "20020133545"   "20030060242"   "5978689"   "6272361"   "6292560"   "6459882"   "6594366"   "6597786"   "6856046"   "6871047"). PN. OR ("7110799"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/01 11:29
S20	30	( ("4335281"   "4481382"   "4524461"   "4591661"   "4634816"   "4658242"   "4720857"   "5117461"   "5341254"   "5369857"   "5655025"   "5822406"   "5910991"   "5978689"). PN. OR ("6594366"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/01 12:53
S21	0	jack same impedance same detect\$3 same ( (analog adj digital) or (A/D) adj converter) same plurality same (digital adj values or (third adj digital adj values)) same indicat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/01 13:02

S22	5	jack same impedance same detect\$3 same ( ((analog adj digital) or (A/D)) adj converter)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/01 14:29
S23	1	jack and impedance and detect\$3 and ( ((analog adj digital) or (A/D)) adj converter) and ((plurality adj digital adj values) or (third adj digital adj values)) and indicat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/01 13:03
S24	0	determ\$4 same impedances same (external adj device\$1) same convert\$3 same ((plurality or third) adj digital adj values) same indicat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/01 14:13
S25	0	determ\$4 and impedances and (external adj device \$1) and convert\$3 and ((plurality or third) adj digital adj values) and indicat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/01 14:14
S26	1	determ\$4 and impedances and (external adj device \$1) and convert\$3 and ((plurality or third) adj digital adj values)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/01 14:14
S27	3902	impedance same ( ((analog adj digital) or (A/D)) adj convert\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/01 14:30
S28	299	plurality same impedance \$1 same ( ((analog adj digital) or (A/D)) adj convert\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/01 15:21
S29	156	S28 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/11/01 14:31
S30	31	determ\$4 same S28 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/11/01 15:24
S31	81	(select\$4 or switch\$4) same S28 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/11/01 14:41
S32	3	((381/123).ocls.) and impedance\$1 and ( ((analog adj digital) or (A/D)) adj convert\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/01 15:23

S33	277	((("381"/\$).ocls.) and impedance\$1 and ( (analog adj digital) or (A/D)) adj convert\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/01 15:23
S34	208	S33 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/11/01 17:20
S35	34	S33 and jack and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/11/01 17:20
S36	6	((("6038457") or ("6278884") or ("6594366")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/11/02 10:44
S37	1	"6594366".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/02 14:45
S38	26	"5426703"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/03 14:58
S39	1	"5426703".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/11/03 14:58
S40	97	((("5455859") or ("5771441") or ("4295694") or ("4340854") or ("4395739") or ("4792986") or ("4901355") or ("5181000") or ("5188540") or ("5210528") or ("RE35051") or ("5555300") or ("5559869") or ("5608607") or ("5631712") or ("5634798") or ("5655143") or ("5676565") or ("5727966") or ("5761159") or ("5775939") or ("5794161") or ("5841628") or ("5852545") or ("5938457") or ("5970123") or ("6009181") or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/03/31 16:24

		("6019630") or ("6056698") or ("6065080") or ("6072753") or ("6122369") or ("6185627") or ("6210212") or ("6210212") or ("6232785") or ("6397087") or ("6422944") or ("6459175") or ("6459911") or ("6620094") or ("7224992") or ("20010049566") or ("20030023329") or ("20030026439") or ("20030097037") or ("20030123677") or ("20040080440") or ("20040081099") or ("20040101148").PN.				
S41	31	("4335281"   "4481382"   "4524461"   "4591661"   "4634816"   "4658242"   "4720857"   "5117461"   "5341254"   "5369857"   "5655025"   "5822406"   "5910991"   "5978689"). PN. OR ("6594366"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/31 17:24
S42	8	((("6,684,262") or ("6,654,840") or ("6,339,831") or ("4,737,657")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/01 10:06
S43	2	("6,185,627").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/01 10:12
S44	8	((("6,185,627") or ("6,856,046") or ("6,862,636") or ("7,110,799")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/01 10:17
S45	519	plurality same detect\$3 same parallel same resistor \$1 same transistor\$1 same switch\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/01 10:35
S46	33	plurality same detect\$3 same parallel same resistor \$1 same transistor\$1 same switch\$4 same (jack or plug)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/01 10:36

S47	2	S46 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/01 10:37
S48	169	detect\$3 same parallel same resistor\$1 same transistor\$1 same switch \$4 same (jack or plug)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/01 10:38
S49	24	S48 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/01 10:38
S50	2467	resistor\$1 same transistor \$1 same switch\$4 same (jack or plug)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/01 10:51
S51	2468	resistor\$1 same transistor \$1 same switch\$4 same (jack\$1 or plug\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/01 10:51
S52	16	((("381"/\$).ccls.) and S51 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/01 10:52
S53	21	((("20020010005"   "20020016188"   "20020021800"   "20030052964"   "20030100331"   "20030165237"   "20040077382"   "20040209649"   "5448477"   "5619684"   "5638343"   "5978689"   "6002558"   "6263218"   "6397087"   "6473629"   "6500006"   "6594363"   "6690793"   "6812954"). PN. OR ("6922572"). URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/01 11:08
S54	110	((("5455859") or ("5771441") or ("4295694") or ("4340854") or ("4395739") or ("4792986") or ("4901355") or ("5181000") or ("5188540") or ("5210528") or ("RE35051") or ("5555300") or ("5559869") or ("5608607") or ("5631712") or ("5634798") or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/09 15:25



		(("5655143") or ("5676565") or ("5727966") or ("5761159") or ("5775939") or ("5794161") or ("5841628") or ("5852545") or ("5938457") or ("5970123") or ("6009181") or ("6019630") or ("6056698") or ("6065080") or ("6072753") or ("6122369") or ("6185627") or ("6210212") or ("6210212") or ("6232785") or ("6397087") or ("6422944") or ("6459175") or ("6459911") or ("6620094") or ("7224992") or ("7400859") or ("7402041") or ("20010049566") or ("20030023329") or ("20030026439") or ("20030097037") or ("20030123677") or ("20040080440"))).PN.				
S55	2500	resistor\$1 same transistor \$1 same switch\$4 same (jack\$1 or plug\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/16 16:19
S56	16	((("381")\$.cds.) and S55 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/03/16 16:19
S57	3	((CHU-TING) near2 (SU)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/16 16:40
S58	3	("6552445"   "6941114"   "7055049").PN. OR ("7194097").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/16 16:43
S59	8	((("6,185,627") or ("6,856,046") or ("6,862,636") or ("7,110,799"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/16 16:48

S60	8	((("4,737,657") or ("6,339,831") or ("6,654,840") or ("6,684,262")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/16 16:51
S61	20	((("5,259,025") or ("5,278,904") or ("5,742,685") or ("6,185,627") or ("6,498,791") or ("6,643,364") or ("6,856,046") or ("6,859,538") or ("6,970,752") or ("7,286,678")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/16 16:56
S62	2	("7167569").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/16 17:00
S63	9	("5161198"   "5703529"   "5708390"   "5729174"   "5903189"   "5920229"   "6069960"   "6107886").PN. OR ("7167569").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/16 17:01
S64	1	"7340249".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/03/17 11:22
S65	110	((("5455859") or ("5771441") or ("4295694") or ("4340854") or ("4395739") or ("4792986") or ("4901355") or ("5181000") or ("5188540") or ("5210528") or ("RE35051") or ("5555300") or ("5559869") or ("5608607") or ("5631712") or ("5634798") or ("5655143") or ("5676565") or ("5727966") or ("5761159") or ("5775939") or ("5794161") or ("5841628") or ("5852545") or ("5938457") or ("5970123") or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/18 16:52

		( "6009181") or ("6019630") or ("6056698") or ("6065080") or ("6072753") or ("6122369") or ("6185627") or ("6210212") or ("6210212") or ("6232785") or ("6397087") or ("6422944") or ("6459175") or ("6459911") or ("6620094") or ("7224992") or ("7400859") or ("7402041") or ("20010049566") or ("20030023329") or ("20030026439") or ("20030097037") or ("20030123677") or ("20040080440")).PN.				
S66	110	(( "5455859") or ("5771441") or ("4295694") or ("4340854") or ("4395739") or ("4792986") or ("4901355") or ("5181000") or ("5188540") or ("5210528") or ("RE35051") or ("5555300") or ("5559869") or ("5608607") or ("5631712") or ("5634798") or ("5655143") or ("5676565") or ("5727966") or ("5761159") or ("5775939") or ("5794161") or ("5841628") or ("5852545") or ("5938457") or ("5970123") or ("6009181") or ("6019630") or ("6056698") or ("6065080") or ("6072753") or ("6122369") or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/07/24 10:32

		("6185627") or ("6210212") or ("6210212") or ("6232785") or ("6397087") or ("6422944") or ("6459175") or ("6459911") or ("6620094") or ("7224992") or ("7400859") or ("7402041") or ("20010049566") or ("20030023329") or ("20030026439") or ("20030097037") or ("20030123677") or ("20040080440").PN.				
S67	3	((CHU-TING) near2 (SU)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 10:37
S68	35	((YI-SHU) near2 (CHANG)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 10:38

8/ 1/ 2009 9:16:12 PM

C:\ Documents and Settings\llao1\ My Documents\ EAST\ Workspaces\ 10661492.wsp